L7 STRUCTURE UPLOADED

=> d 17

L7 HAS NO ANSWERS

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* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s 17 ful

FULL SEARCH INITIATED 14:52:59 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 9581 TO ITERATE

100.0% PROCESSED 9581 ITERATIONS

STR

5 ANSWERS

SEARCH TIME: 00.00.01

L8

5 SEA SSS FUL L7

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY SE

SESSION

FULL ESTIMATED COST

161.33 485.51

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FILE COVERS 1907 - 4 Jan 2005 VOL 142 ISS 2 FILE LAST UPDATED: 3 Jan 2005 (20050103/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 18

L9

2 L8

=> d abs bib hitstr 1-2

L9 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN GI

Organic electroluminescent devices are described which employ an emitting AB layer comprising ≥20 weight % pf ≥1 compound described by the general formula IrLaLbLcxL'yL"z (x = 0 or 1, y = 0, 1, or 2, and z = 0 or 1, with the proviso that x = 0 or y + z = 0 and when y = 2 then z = 0; L' =a bidentate ligand or a monodentate ligand, and is not a phenylpyridine, phenylpyrimidine, or phenylquinoline with the proviso that: when L' is a monodentate ligand, y + z = 2, and when L' is a bidentate ligand, z = 0; L" = a monodentate ligand, and is not a phenylpyridine, and phenylpyrimidine, or phenylquinoline; and La, Lb, and Lc the same or different compds. are described by the general formula I; adjacent pairs of R1-4 and R5-8 can be joined to form a five- or six-membered ring, at least one of R1-8 is selected from F, CnF2n+1, OCnF2n+1, and OCF2X; n = 1-6; and X = H, Cl, or Br, and A = C or N, provided that when A = N, there is no R1). The electroluminescent compds. as well as selected substituted 2-phenylpyridines, phenylpyrimidines, and phenylquinolines that may be used to make the compds. are also described.

AN 2002:31593 CAPLUS

DN 136:93307

TI Electroluminescent iridium compounds with fluorinated phenylpyridines, phenylpyrimidines, and phenylquinolines and devices made with such compounds

IN Petrov, Viacheslav A.; Wang, Ying; Grushin, Vladimir

Ι

PA E. I. Du Pont de Nemours & Co., USA

SO PCT Int. Appl., 41 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

11011 0111 2																			
	PATENT NO.							DATE		APPLICATION NO.						DATE			
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os
     MARPAT 136:93307
    387859-65-6P
IT
     RL: DEV (Device component use); PRP (Properties); SPN (Synthetic
     preparation); PREP (Preparation); USES (Uses)
        (electroluminescent devices based on iridium compds. with fluorinated
        phenylpyridines and phenylpyrimidines and phenylquinolines and the
        compds. and their precursors)
RN
     387859-65-6 CAPLUS
CN
     Iridium, aquabis[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl-kN]-3-
     fluorophenyl-kC](trifluoroacetato-kO)- (9CI) (CA INDEX NAME)
```

ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN 1.9 Complexes of the type [Ir(L)2(S)2][OTf] have been prepared by reactions of AB [Ir(L)2Cl]2 with AgOTf in an appropriate solvent medium (L = 2-phenylpyridine (ppy) or 2-(p-tolyl)pyridine (ptpy); S = H2O or CH3CN; OTf = CF3SO3-). These solvento complexes have been characterized by 1H and 13C NMR spectroscopies, UV-visible absorption and emission spectroscopies, and cyclic voltammetry. Ests. of radiative lifetimes based upon weak integrated absorption bands in the 460-490-nm region are in agreement with emission lifetimes monitored in glasses at 77 K. Low-lying excited states responsible for these absorption and emission bands are assigned to an admixt. of ligand-localized and metal-to-ligand charge-transfer character. Quenching of the emissions in ambient solns. is discussed in terms of ligand labilization due to either thermal population of metal-centered excited states or direct labilization in the MLCT excited state due to enhanced trans effects of the Ir-C bonds on the Ir-S bonding. AN

1994:164463 CAPLUS

DN 120:164463

ΤI Synthesis and characterizations of cyclometalated iridium(III) solvento complexes

Schmid, B.; Garces, F. O.; Watts, R. J. ΑU

CS Dep. Chem., Univ. California, Santa Barbara, CA, 93106, USA

SO Inorganic Chemistry (1994), 33(1), 9-14

CODEN: INOCAJ; ISSN: 0020-1669

DTJournal

English LA

IT 153297-46-2P 153297-48-4P

RL: SPN (Synthetic preparation); PREP (Preparation) (preparation and spectra)

RN 153297-46-2 CAPLUS

Iridium(1+), diaquabis[2-(2-pyridinyl)phenyl-C,N]-, (OC-6-33)-, salt with CNtrifluoromethanesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 153297-45-1 CMF C22 H20 Ir N2 O2 CCI CCS

CM 2

CRN 37181-39-8 CMF C F3 O3 S

RN 153297-48-4 CAPLUS
CN Iridium(1+), diaquabis[5-methyl-2-(2-pyridinyl)phenyl-C,N]-, (OC-6-33)-, salt with trifluoromethanesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 153297-47-3 CMF C24 H24 Ir N2 O2 CCI CCS

$$H_2O$$
 Ir
 G
 OH_2
 OH_2
 OH_2
 OH_2
 OH_2
 OH_2
 OH_2
 OH_2
 OH_2

CM 2

CRN 37181-39-8

CMF C F3 O3 S

=> file uspatall

COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION

FULL ESTIMATED COST 11.68 497.19

SINCE FILE DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) TOTAL

ENTRY SESSION CA SUBSCRIBER PRICE -1.46 -1.46

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FILE 'USPAT2' ENTERED AT 14:55:31 ON 04 JAN 2005 CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

=> d his

(FILE 'HOME' ENTERED AT 14:49:17 ON 04 JAN 2005)

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STRUCTURE UPLOADED L4

L5 1013 S L4 FUL

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620 S L5

FILE 'REGISTRY' ENTERED AT 14:52:31 ON 04 JAN 2005

L7 STRUCTURE UPLOADED

5 S L7 FUL L8

FILE 'CAPLUS' ENTERED AT 14:53:07 ON 04 JAN 2005

L9 2 S L8

FILE 'USPATFULL, USPAT2' ENTERED AT 14:55:31 ON 04 JAN 2005

=> s 19

L10 10 L9

=> s 18

L1110 L8

=> d abs bib hitstr 1-10

L11 ANSWER 1 OF 10 USPATFULL on STN

AB

Ir(III) compounds, the substituted 2-phenylpyridines, phenylpyrimidines, and phenylquinolines that are used to make the Ir(III) compounds, and devices that are made with the Ir(III) compounds. CAS INDEXING IS AVAILABLE FOR THIS PATENT. AN 2004:247364 USPATFULL Electroluminescent iridium compounds with fluorinated phenylpryidines, TΙ phenylpyrimidines, and phenylquinolines and devices made with such compounds Grushin, Vladimir, Hockessin, DE, UNITED STATES IN Lecloux, Daniel D., Buellton, CA, UNITED STATES Petrov, Viacheslav A., Hockessin, DE, UNITED STATES Wang, Ying, Wilmington, DE, UNITED STATES PΙ US 2004191959 A1 20040930 ΑI US 2003-696401 A1 20031029 (10) RLI Division of Ser. No. US 2001-27421, filed on 20 Dec 2001, GRANTED, Pat. No. US 6670645 Continuation-in-part of Ser. No. US 2001-879014, filed on 12 Jun 2001, ABANDONED US 2000-215362P PRAI 20000630 (60) US 2000-224273P 20000810 (60) דת Utility APPLICATION FS E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT RECORDS CENTER, BARLEY LREP MILL PLAZA 25/1128, 4417 LANCASTER PIKE, WILMINGTON, DE, 19805 CLMN Number of Claims: 5 ECL Exemplary Claim: CLM-01-11 1 Drawing Page(s) DRWN LN.CNT 1603 CAS INDEXING IS AVAILABLE FOR THIS PATENT. IT 387859-65-6P (electroluminescent devices based on iridium compds. with fluorinated phenylpyridines and phenylpyrimidines and phenylquinolines and the compds. and their precursors) 387859-65-6 USPATFULL RN CN Iridium, aquabis [2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl-κN]-3fluorophenyl-κC](trifluoroacetato-κO)- (9CI) (CA INDEX

The present invention is generally directed to electroluminescent

NAME)

L11 ANSWER 2 OF 10 USPATFULL on STN

The present invention is generally directed to electroluminescent Ir(III) compounds, the substituted 2-phenylpyridines, phenylpyrimidines, and phenylquinolines that are used to make the Ir(III) compounds, and devices that are made with the Ir(III) compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2004:244086 USPATFULL

TI Electroluminescent iridium compounds with fluorinated phenylpryidines, phenylpyrimidines, and phenylquinolines and devices made with such compounds

IN Grushin, Vladimir, Hockessin, DE, UNITED STATES
LeCloux, Daniel David, Buellton, CA, UNITED STATES
Petrov, Viacheslav A., Hockessin, DE, UNITED STATES
Wang, Ying, Wilmington, DE, UNITED STATES

PI US 2004188673 A1 20040930

AI US 2003-696060 A1 20031029 (10)

RLI Division of Ser. No. US 2001-27421, filed on 20 Dec 2001, GRANTED, Pat. No. US 6670645 Continuation-in-part of Ser. No. US 2001-879014, filed on 12 Jun 2001, ABANDONED

PRAI US 2000-215362P 20000630 (60) US 2000-224273P 20000810 (60)

DT Utility

FS APPLICATION

LREP E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT RECORDS CENTER, BARLEY MILL PLAZA 25/1128, 4417 LANCASTER PIKE, WILMINGTON, DE, 19805

CLMN Number of Claims: 8

ECL Exemplary Claim: CLM-01-11

DRWN 1 Drawing Page(s)

LN.CNT 1623

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

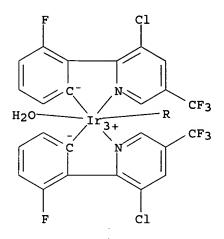
IT 387859-65-6P

(electroluminescent devices based on iridium compds. with fluorinated phenylpyridines and phenylpyrimidines and phenylquinolines and the

compds. and their precursors)

RN 387859-65-6 USPATFULL

CN Iridium, aquabis[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl-κN]-3fluorophenyl-κC](trifluoroacetato-κO)- (9CI) (CA INDEX
NAME)



L11 ANSWER 3 OF 10 USPATFULL on STN

The present invention is generally directed to electroluminescent Ir(III) compounds, the substituted 2-phenylpyridines, phenylpyrimidines, and phenylquinolines that are used to make the Ir(III) compounds, and devices that are made with the Ir(III) compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2004:152474 USPATFULL

TI Electroluminescent iridium compounds with fluorinated phenylpyridines, phenylpyrimidines, and phenylquinolines and devices made with such compounds

IN Grushin, Vladimir, Hockessin, DE, UNITED STATES
Petrov, Viacheslav A., Hockessin, DE, UNITED STATES
Wang, Ying, Wilmington, DE, UNITED STATES

PI US 2004116696 A1 20040617

AI US 2003-720954 A1 20031124 (10)

RLI Division of Ser. No. US 2003-366295, filed on 13 Feb 2003, PENDING Continuation of Ser. No. US 2001-879014, filed on 12 Jun 2001, ABANDONED

PRAI US 2000-215362P 20000630 (60) US 2000-224273P 20000810 (60)

DT Utility

FS APPLICATION

LREP E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT RECORDS CENTER, BARLEY MILL PLAZA 25/1128, 4417 LANCASTER PIKE, WILMINGTON, DE, 19805

CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN 1 Drawing Page(s)

LN.CNT 1155

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 387859-65-6P

(electroluminescent devices based on iridium compds. with fluorinated phenylpyridines and phenylpyrimidines and phenylquinolines and the compds. and their precursors)

RN 387859-65-6 USPATFULL

CN Iridium, aquabis[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl-κN]-3fluorophenyl-κC](trifluoroacetato-κO)- (9CI) (CA INDEX
NAME)

L11 ANSWER 4 OF 10 USPATFULL on STN

The present invention is generally directed to electroluminescent Ir(III) compounds, the substituted 2-phenylpyridines, phenylpyrimidines, and phenylquinolines that are used to make the Ir(III) compounds, and devices that are made with the Ir(III) compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2004:142853 USPATFULL

TI Electroluminescent iridium compounds with fluorinated phenylpryidines, phenylpyrimidines, and phenylquinolines and devices made with such compounds

IN Grushin, Vladimir, Hockessin, DE, UNITED STATES
Lecloux, Daniel D., Buellton, CA, UNITED STATES
Petrov, Viacheslav A., Hockessin, DE, UNITED STATES
Wang, Ying, Wilmington, DE, UNITED STATES

PI US 2004108507 A1 20040610

AI US 2003-696003 A1 20031029 (10)

RLI Division of Ser. No. US 2001-27421, filed on 20 Dec 2001, GRANTED, Pat. No. US 6670645 Continuation-in-part of Ser. No. US 2001-879014, filed on 12 Jun 2001, ABANDONED

PRAI US 2000-215362P 20000630 (60) US 2000-224273P 20000810 (60)

DT Utility

FS APPLICATION

LREP E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT RECORDS CENTER, BARLEY

MILL PLAZA 25/1128, 4417 LANCASTER PIKE, WILMINGTON, DE, 19805

CLMN Number of Claims: 11

ECL Exemplary Claim: 1

DRWN 1 Drawing Page(s)

LN.CNT 1667

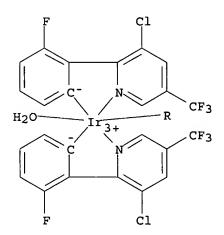
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 387859-65-6P

(electroluminescent devices based on iridium compds. with fluorinated phenylpyridines and phenylpyrimidines and phenylquinolines and the compds. and their precursors)

RN 387859-65-6 USPATFULL

CN Iridium, aquabis[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl-κN]-3fluorophenyl-κC](trifluoroacetato-κO)- (9CI) (CA INDEX
NAME)



L11 ANSWER 5 OF 10 USPATFULL on STN

The present invention is generally directed to electroluminescent Ir(III) compounds, the substituted 2-phenylpyridines, phenylpyrimidines, and phenylquinolines that are used to make the Ir(III) compounds, and devices that are made with the Ir(III) compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2004:138835 USPATFULL

TI Electroluminescent iridium compounds with fluorinated phenylpryidines, phenylpyrimidines, and phenylquinolines and devices made with such compounds

IN Grushin, Vladimir, Hockessin, DE, UNITED STATES
Lecloux, Daniel D., Buellton, CA, UNITED STATES
Petrov, Viacheslav A., Hockessin, DE, UNITED STATES
Wang, Ying, Wilmington, DE, UNITED STATES

PI US 2004106007 A1 20040603 AI US 2003-696095 A1 20031029 (10)

RLI Division of Ser. No. US 2001-27421, filed on 20 Dec 2001, GRANTED, Pat. No. US 6670645 Continuation-in-part of Ser. No. US 2001-879014, filed on 12 Jun 2001, ABANDONED

PRAI US 2000-215362P 20000630 (60) US 2000-224273P 20000810 (60)

DT Utility

FS APPLICATION

LREP E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT RECORDS CENTER, BARLEY MILL PLAZA 25/1128, 4417 LANCASTER PIKE, WILMINGTON, DE, 19805

CLMN Number of Claims: 11 ECL Exemplary Claim: 1 DRWN 1 Drawing Page(s)

LN.CNT 1682

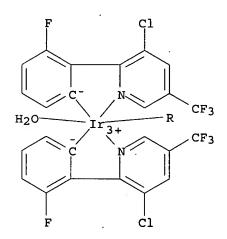
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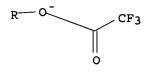
IT 387859-65-6P

(electroluminescent devices based on iridium compds. with fluorinated phenylpyridines and phenylpyrimidines and phenylquinolines and the compds. and their precursors)

RN 387859-65-6 USPATFULL

CN Iridium, aquabis[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl-κN]-3fluorophenyl-κC](trifluoroacetato-κO)- (9CI) (CA INDEX
NAME)





L11 ANSWER 6 OF 10 USPATFULL on STN

AB The present invention is generally directed to electroluminescent Ir(III) compounds, the substituted 2-phenylpyridines, phenylpyrimidines, and phenylquinolines that are used to make the Ir(III) compounds, and devices that are made with the Ir(III) compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT. AN 2004:124799 USPATFULL

TI Electroluminescent iridium compounds with fluorinated phenylpyridines, phenylprimidines, and phenylquinolines and devices made with such compounds

IN Grushin, Vladimir, Hockessin, DE, UNITED STATES
Lecloux, Daniel D., Buellton, CA, UNITED STATES
Petrov, Viacheslav A., Hockessin, DE, UNITED STATES
Wang, Ying, Wilmington, DE, UNITED STATES

PI US 2004094769 A1 20040520

AI US 2003-699411 A1 20031030 (10)

RLI Continuation of Ser. No. US 2001-27421, filed on 20 Dec 2001, GRANTED, Pat. No. US 6670645 Continuation-in-part of Ser. No. US 2001-879014, filed on 12 Jun 2001, ABANDONED

PRAI US 2000-215362P 20000630 (60) US 2000-224273P 20000810 (60)

DT Utility

FS APPLICATION

LREP E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT RECORDS CENTER, BARLEY MILL PLAZA 25/1128, 4417 LANCASTER PIKE, WILMINGTON, DE, 19805

CLMN Number of Claims: 11 ECL Exemplary Claim: 1 DRWN 1 Drawing Page(s)

LN.CNT 1683

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 387859-65-6P

(electroluminescent devices based on iridium compds. with fluorinated phenylpyridines and phenylpyrimidines and phenylquinolines and the compds. and their precursors)

RN 387859-65-6 USPATFULL

CN Iridium, aquabis [2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl- κ N]-3-fluorophenyl- κ C] (trifluoroacetato- κ O)- (9CI) (CA INDEX NAME)

L11 ANSWER 7 OF 10 USPATFULL on STN

AB

devices that are made with the Ir(III) compounds. CAS INDEXING IS AVAILABLE FOR THIS PATENT. ΑN 2004:118473 USPATFULL Electroluminescent iridium compounds with fluorinated phenylpryidines, ΤI phenylpyrimidines, and phenylquinolines and devices made with such compounds IN Grushin, Vladimir, Hockessin, DE, UNITED STATES Lecloux, Daniel David, Buellton, CA, UNITED STATES Petrov, Viacheslav A., Hockessin, DE, UNITED STATES Wang, Ying, Wilmington, DE, UNITED STATES PΙ US 2004089867 A1 20040513 ΑI US 2003-696349 A1 20031029 (10) Division of Ser. No. US 2001-27421, filed on 20 Dec 2001, GRANTED, Pat. RLI No. US 6670645 Continuation-in-part of Ser. No. US 2001-879014, filed on 12 Jun 2001, ABANDONED PRAI US 2000-215362P 20000630 (60) US 2000-224273P 20000810 (60) Utility DTFS APPLICATION LREP E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT RECORDS CENTER, BARLEY MILL PLAZA 25/1128, 4417 LANCASTER PIKE, WILMINGTON, DE, 19805 Number of Claims: 11 CLMN ECL Exemplary Claim: 1 1 Drawing Page(s) DRWN LN.CNT 1680 CAS INDEXING IS AVAILABLE FOR THIS PATENT. IT 387859-65-6P (electroluminescent devices based on iridium compds. with fluorinated phenylpyridines and phenylpyrimidines and phenylquinolines and the compds. and their precursors) 387859-65-6 USPATFULL RN CN Iridium, aquabis[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl-kN]-3fluorophenyl-κC](trifluoroacetato-κO)- (9CI) (CA INDEX

The present invention is generally directed to electroluminescent

Ir(III) compounds, the substituted 2-phenylpyridines, phenylpyrimidines, and phenylquinolines that are used to make the Ir(III) compounds, and

NAME)

L11 ANSWER 8 OF 10 USPATFULL on STN

AB The present invention is generally directed to electroluminescent Ir(III) compounds, the substituted 2-phenylpyridines, phenylpyrimidines, and phenylquinolines that are used to make the Ir(III) compounds, and devices that are made with the IR(III) compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2004:99243 USPATFULL

TI Electroluminescent iridium compounds with fluorinated phenylpyridines, phenylpyrimidines, and phenylquinolines and devices made with such compounds

IN Grushin, Vladimir, Hockessin, DE, UNITED STATES
Petrov, Viacheslav A., Hockessin, DE, UNITED STATES
Wang, Ying, Wilmington, DE, UNITED STATES

PI US 2004075096 A1 20040422

AI US 2003-720967 A1 20031124 (10)

RLI Division of Ser. No. US 2003-366295, filed on 13 Feb 2003, PENDING Continuation of Ser. No. US 2001-879014, filed on 12 Jun 2001, ABANDONED

PRAI US 2000-215362P 20000630 (60) US 2000-224274P 20000810 (60)

DT Utility

FS APPLICATION

LREP E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT RECORDS CENTER, BARLEY MILL PLAZA 25/1128, 4417 LANCASTER PIKE, WILMINGTON, DE, 19805

CLMN Number of Claims: 22

ECL Exemplary Claim: 1

DRWN 1 Drawing Page(s)

LN.CNT 1153

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 387859-65-6P

(electroluminescent devices based on iridium compds. with fluorinated phenylpyridines and phenylpyrimidines and phenylquinolines and the compds. and their precursors)

RN 387859-65-6 USPATFULL

CN Iridium, aquabis[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl-κN]-3fluorophenyl-κC](trifluoroacetato-κO)- (9CI) (CA INDEX
NAME)

L11 ANSWER 9 OF 10 USPATFULL on STN

The present invention is generally directed to electroluminescent Ir(III) compounds, the substituted 2-phenylpyridines, phenylpyrimidines, and phenylquinolines that are used to make the Ir(III) compounds, and devices that are made with the Ir(III) compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2003:280846 USPATFULL

TI Electroluminescent iridium compounds with fluorinated phenylpyridines, phenylpyrimidines, and phenylquinolines and devices made with such compounds

IN Grushin, Vladimir, Hockessin, DE, UNITED STATES
Petrov, Viacheslav A., Hockessin, DE, UNITED STATES
Wang, Ying, Wilmington, DE, UNITED STATES

PI US 2003197183 A1 20031023

AI US 2003-366295 A1 20030213 (10)

RLI Continuation of Ser. No. US 2001-879014, filed on 12 Jun 2001, PENDING

PRAI US 2000-215362P 20000630 (60) US 2000-224273P 20000810 (60)

DT Utility

FS APPLICATION

LREP E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT RECORDS CENTER, BARLEY MILL PLAZA 25/1128, 4417 LANCASTER PIKE, WILMINGTON, DE, 19805

CLMN Number of Claims: 22 ECL Exemplary Claim: 1

DRWN 1 Drawing Page(s)

LN.CNT 1161

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 387859-65-6P

(electroluminescent devices based on iridium compds. with fluorinated phenylpyridines and phenylpyrimidines and phenylquinolines and the compds. and their precursors)

RN 387859-65-6 USPATFULL

CN Iridium, aquabis[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl-κN]-3fluorophenyl-κC](trifluoroacetato-κO)- (9CI) (CA INDEX
NAME)

L11 ANSWER 10 OF 10 USPATFULL on STN

AB The present invention is generally directed to electroluminescent Ir(III) compounds, the substituted 2-phenylpyridines, phenylpyrimidines, and phenylquinolines that are used to make the Ir(III) compounds, and devices that are made with the Ir(III) compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2002:226505 USPATFULL

TI Electroluminescent iridium compounds with fluorinated phenylpyridines, phenylpyrimidines, and phenylquinolines and devices made with such compounds

IN Grushin, Vladimir, Hockessin, DE, UNITED STATES
Petrov, Viacheslav A., Hockessin, DE, UNITED STATES
Wang, Ying, Wilmington, DE, UNITED STATES

PI US 2002121638 A1 20020905 AI US 2001-879014 A1 20010612 (9) PRAI US 2000-215362P 20000630 (60) US 2000-224273P 20000810 (60)

DT Utility FS APPLICATION

LREP E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT RECORDS CENTER, BARLEY MILL PLAZA 25/1128, 4417 LANCASTER PIKE, WILMINGTON, DE, 19805

CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN 1 Drawing Page(s)

LN.CNT 1166

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 387859-65-6P

(electroluminescent devices based on iridium compds. with fluorinated phenylpyridines and phenylpyrimidines and phenylquinolines and the compds. and their precursors)

RN 387859-65-6 USPATFULL

CN Iridium, aquabis[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl-κN]-3fluorophenyl-κC](trifluoroacetato-κO)- (9CI) (CA INDEX
NAME)